

**IMPROVEMENT OF PARTICIPATION IN MATHEMATICS
LEARNING BY USING COOPERATIVE LEARNING MODEL
TYPE OF LEARNING TOGETHER TO STUDENT IN GRADE
VII B OF AL-ISLAM 1 JUNIOR HIGH SCHOOL OF
SURAKARTA ACADEMIC YEAR 2012/2013
(Classroom Action Research)**

RESEARCH PAPER

**Submitted as Partial Fulfillment of The Requirements
for Getting Bachelor Degree of Education
in Mathematics Department**



by :

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**FACULTY OF TEACHER TRAINING AND EDUCATION
MUHAMMADIYAH UNIVERSITY OF SURAKARTA
2013**

APPROVAL

**IMPROVEMENT OF PARTICIPATION IN MATHEMATICS LEARNING BY
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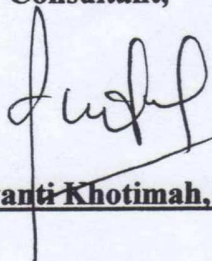
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On May 6th, 2013

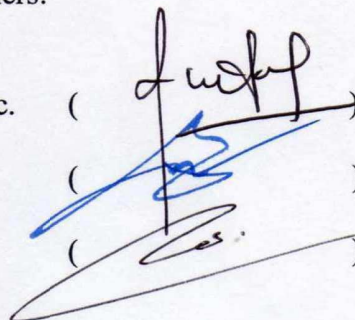
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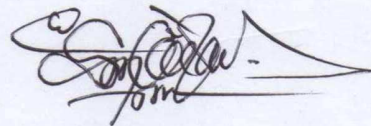
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TESTIMONY

Herewith, I testify that in this research paper, there are no plagiarisms of the previous literary work which has been submitted to obtain bachelor degree of university, as far as I'am concerned there is no opinions or masterpieces which have been written or published by other, except those which the writing was referred in the manuscript and mentioned in bibliography.

Hence, later if it is proven that there are some untrue statements in this testimony, I will be fully responsible.

Surakarta, May 6th 2013



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MOTTO

"He knows what (appears to His creatures as) before or after or behind them: but they shall not compass it with their knowledge."

(Q.S Thâhâ (20) verse 110)

"You can teach a student a lesson for a day, but if you can teach him to learn by creating curiosity, he will continue the learning process as long as he lives"

(Clay P. Bedford)

" The future is an opaque mirror. Anyone who tries to look into it sees nothing but the dim outlines of an old and worried face "

(Jim Bishop)

"Failure is not the end of everything, but failure is just the beginning of everything "

(Writer)

DEDICATION

With heartfelt I Dedicate this research paper to:

❖ **My Beloved Father (Mursito, S.Pd) and Mother (Tuti Handayani, S.Pd)**

**Who never stop pray, give support, motivation,
and give genuine affection to me.**

❖ **My Lovely Sister (Pipit Puspitasari)**

Who continually support and encouragement as I fell.

❖ **My Friends in mathematics RSBI '09.**

**(Tri, Yazid, Yanto, Zhudha, Idris, Edi, Thoriq, Iqbal, Adi, Niken, Ike, April,
Dias, Evy, Elly, Vita, Fitri, Lina, Kiky, Jumiati, Idha, Nana)**

Were always encouraging and give support to me.

❖ **My Friends in UMS, UNS and UNY.**

For borrowing me some books to support this paper.

❖ **My Beloved Almamater**

❖ **Dear Readers**

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During the preparation of this paper, the writer can not be separated from the support, motivation and guidance from various parties. Thus, the writer would like to salute and express my great gratitude and appreciation to:

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The researcher realizes that this research is still far from being perfect. Therefore, she would be very pleased to admit any constructive criticism, to give comment, and suggestion to make this research paper better. The researcher wishes that this research paper would contribute in education, especially in mathematics learning.

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Surakarta, May 6th , 2013

The Writer

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ABSTRACT

IMPROVEMENT OF PARTICIPATION IN MATHEMATICS LEARNING BY USING COOPERATIVE LEARNING MODEL TYPE OF LEARNING TOGETHER TO STUDENT IN GRADE VII B OF AL-ISLAM 1 JUNIOR HIGH SCHOOL OF SURAKARTA ACADEMIC YEAR 2012/2013 (Classroom Action Research)

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This research aims to know the improvement of student's participation in mathematics learning by using cooperative learning model type Learning Together. This research used a qualitative approach by the design of Classroom Action Research (CAR), which is implemented in two cycles. Each cycle have two meetings. Researcher and mathematics teacher grade VII B of Al Islam 1 Junior High School of Surakarta as the subject of the action. The number of students of grade VII B is 25 students as subject that receive the action. Data collection techniques are used: observation, interview, field notes, tests, study document. The data analyzed by descriptive qualitative with three components, there are data reduction, data presentation and data conclusion. Based on the research results it can be concluded that the application cooperative learning model type of Learning Together can improve student's participation in mathematics learning of students grade VII B. It can be seen from several indicators, namely: 1) Actively Involved, increased from 25% to 80%; 2) Asking Questions, increased from 12% to 60%; 3) Proposing Opinion and Advice increased from 8% to 48%; 4) Answering Questions, increased from 16% to 64%; 5) Performance Of The Group On Time, increased from 34% to 100%.

Keywords: *Participation of students, Mathematics learning; Cooperative learning model, Learning together*